

INTERNATIONAL SEARCH REPORT

International Application No
PCT/03/05424A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61M4/20 A61M5/24 A61M5/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/005781 A1 (AMARK MIKAEL ET AL) 28 June 2001 (2001-06-28) abstract paragraphs '0030! - '0031!; figures 1a-1d	1-21
X	US 2001/049496 A1 (JOST STEPHAN ET AL) 6 December 2001 (2001-12-06) abstract paragraphs '0045! - '0048! paragraphs '0070! - '0075!; figures 1a-3	1-13
X	EP 0 824 923 A (BECTON DICKINSON FRANCE) 25 February 1998 (1998-02-25)	1-13
Y	abstract; claim 8; figures 1-19	21
X	US 5 957 897 A (JEFFREY PETER) 28 September 1999 (1999-09-28)	18,20
Y	figures 1-4	19,21
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the international search

4 May 2004

Date of mailing of the international search report

12.05.04

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PCT/03/05424

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 330 430 A (SULLIVAN ROBERT J) 19 July 1994 (1994-07-19) figures 1-5 -----	18, 20
Y		19, 21
X	US 5 779 677 A (FREZZA PIERRE) 14 July 1998 (1998-07-14) figures 1-4 -----	18
Y		19
P, X	DE 295 22 418 U (B D MEDICO S A R L) 8 May 2003 (2003-05-08) page 10, paragraph 3-7; figures 1-7 -----	1, 2, 5, 7, 9-12

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Internat. application No
PCT/03/05424

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2001005781	A1	28-06-2001	US	6270479 B1		07-08-2001
			AU	1589300 A		15-05-2000
			EP	1124601 A1		22-08-2001
			JP	2002528182 T		03-09-2002
			WO	0024441 A1		04-05-2000
			TW	445156 B		11-07-2001
US 2001049496	A1	06-12-2001	DE	19822031 A1		18-11-1999
			EP	0956873 A2		17-11-1999
			JP	11347121 A		21-12-1999
			US	6280421 B1		28-08-2001
EP 0824923	A	25-02-1998	US	5843036 A		01-12-1998
			BR	9710922 A		28-05-2002
			CA	2211732 A1		23-02-1998
			DE	69723627 D1		28-08-2003
			EP	1285674 A1		26-02-2003
			EP	0824923 A1		25-02-1998
			ES	2201230 T3		16-03-2004
			JP	3168179 B2		21-05-2001
			JP	10113388 A		06-05-1998
US 5957897	A	28-09-1999	AU	709098 B2		19-08-1999
			AU	2680995 A		15-01-1996
			CA	2193231 A1		28-12-1995
			EP	0956061 A1		17-11-1999
			WO	9535126 A1		28-12-1995
			JP	10507935 T		04-08-1998
US 5330430	A	19-07-1994	NONE			
US 5779677	A	14-07-1998	FR	2715071 A1		21-07-1995
			AT	174226 T		15-12-1998
			AU	1539195 A		01-08-1995
			CA	2181255 A1		20-07-1995
			DE	69506521 D1		21-01-1999
			DE	69506521 T2		10-06-1999
			DK	740557 T3		16-08-1999
			EP	0740557 A1		06-11-1996
			ES	2127510 T3		16-04-1999
			WO	9519194 A1		20-07-1995
			GR	3029338 T3		28-05-1999
			JP	9507416 T		29-07-1997
DE 29522418	U	08-05-2003	DE	29522418 U1		08-05-2003
			AT	252924 T		15-11-2003
			AT	225197 T		15-10-2002
			CA	2191472 A1		07-12-1995
			DE	19519147 A1		07-12-1995
			DE	59510404 D1		07-11-2002
			DE	59510817 D1		04-12-2003
			DK	1228777 T3		01-03-2004
			DK	762904 T3		28-10-2002
			WO	9532749 A2		07-12-1995
			EP	1228777 A1		07-08-2002
			EP	0762904 A2		19-03-1997
			ES	2180642 T3		16-02-2003
			JP	10504474 T		06-05-1998

INTERNATIONAL SEARCH REPORTIntern. Application No
PCT/US 03/05424

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 29522418 U	US US	6241709 B1 2002165500 A1	05-06-2001 07-11-2002